1/9/84
A2575-1

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 For Week Ended December 30, 1983 NO. 52

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 12/30/83	Last Week Ending: 12/23/83	Last Year Week Ending: 12/31/82	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units *	10,516	11,833	11,994	-1,317	-1,478
Operable capacity	16,309	16,309	16,663	0	-354
Percent operated	64.5	72.6	72.0		
Motor Gasoline					
Total motor gasoline production	5,670	6,450	6,607	-780	-937
Finished leaded motor gasoline production	2,475	2,817	N/A	-342	N/A
Finished unleaded motor gasoline production	3,195	3,633	N/A	-438	N/A
Total motor gasoline stocks	232,464	238,150	240,564	-5,686	-8,100
Finished leaded motor gasoline stocks	97,214	98,350	N/A	-1,136	N/A
Finished unleaded motor gasoline stocks	96,057	100,255	96,861	-4,198	-804
Distillate Fuel Oil					
Distillate fuel oil production	2,280	2,673	2,671	-393	-391
Distillate fuel oil stocks	148,802	159,216	179,869	-10,414	-31,067
Residual Fuel Oil					
Residual fuel oil production	911	787	1,013	124	-102
Residual fuel oil stocks	50,872	52,555	67,187	-1,683	-16,315
Imports					
Crude oil imports	2,560	3,581	3,127	-1,021	-567
Product imports	1,845	1,537	1,236	308	609
Crude Oil Stocks					
Crude oil stocks	347,724	349,414	348,484	-1,690	-760

*Unsheduled shutdowns due to severe weather conditions caused decreases of 732,000 bbl. per day in the Texas Gulf Coast District and 372,000 bbl. per day in the Louisiana Gulf Coast District.

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949

NA-Not Available

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STATISTICS DEPARTMENT
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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	880	855	840	1,229	68.3
Appal. No. 1	83	80	81	177	45.8
DISTRICT 1 TOTAL	963	935	921	1,406	65.5
Appal. No. 2	56	54	56	66	84.8
Ind., Ill., Ky.	1,832	1,728	1,746	2,345	74.5
Minn., Wis., Daks.	294	284	296	296	100.0
Okla., Kans., Mo.	556	497	500	827	60.5
DISTRICT 2 TOTAL	2,738	2,563	2,598	3,534	73.5
Inland Texas	526	432	439	585	75.0
Texas Gulf Coast	2,321*	2,091*	2,229*	3,907	57.1*
La. Gulf Coast	1,623	1,567	1,570	2,890	54.3
N. La. and Ark.	149	141	141	286	49.3
New Mexico	103	86	86	105	81.9
DISTRICT 3 TOTAL	4,722*	4,317*	4,465*	7,773	57.4*
DISTRICT 4 TOTAL	401	390	394	536	73.5
DISTRICT 5 TOTAL	2,297	2,139	2,138	3,060	69.9
TOTAL U.S.	11,121	10,344	10,516	16,309	64.5
TOTAL U.S.					
Weeks Ended:					
DEC. 23, 1983	12,784*	11,591*	11,833*	16,309	72.6*
DEC. 31, 1982	12,672	11,620	11,994	16,663	72.0
DISTRICTS 1-4					
Weeks Ended:					
DEC. 30, 1983	8,824	8,205	8,378	13,249	63.2
DEC. 23, 1983	10,514*	9,426*	9,670*	13,249	73.0*
DEC. 31, 1982	10,555	9,588	9,906	13,580	72.9

* See Revisions on Page 7.

API WEEKLY STATISTICAL BULLETIN
Week Ended December 30, 1983

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline		Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	531	164	367	19	13	209	113
Appal. No. 1	32	15	17	1	--	23	5
DISTRICT 1 TOTAL	563	179	384	20	13	232	118
Appal. No. 2	37	17	20	3	--	12	2
Ind., Ill., Ky.	1,017	471	546	2	68	382	56
Minn., Wis., Daks.	156	86	70	4	12	86	63*
Okla., Kans., Mo.	296	164	132	3	16	142	8
DISTRICT 2 TOTAL	1,506	738	768	12	96	622	131*
Inland Texas	296	140	156	11	22	96	20
Texas Gulf Coast	1,153*	453	700*	24	132	458	232
La. Gulf Coast	915	367	548	16	136	327	63
N. La. and Ark.	39	15	24	2	--	40	7
New Mexico	32	13	19	13	1	32	2
DISTRICT 3 TOTAL	2,435*	988	1,447*	66	291	953	324
DISTRICT 4 TOTAL	222	145	77	13	12	112	14
DISTRICT 5 TOTAL	944*	425*	519	63*	203	361	324
TOTAL U.S.	5,670	2,475	3,195	174	615	2,280	911
TOTAL U.S. Weeks Ended:							
DEC. 23, 1983	6,450*	2,817*	3,633*	242*	794	2,673	787*
DEC. 31, 1982	6,607	N/A	N/A	176	784	2,671	1,013
DISTRICTS 1-4 Weeks Ended:							
DEC. 30, 1983	4,726	2,050	2,676	111	412	1,919	587
DEC. 23, 1983	5,450*	2,391	3,059*	189	566	2,335	465*
DEC. 31, 1982	5,597	N/A	N/A	136	586	2,342	670

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.
[2]Includes Grade No. 4 fuel oil.

NA-Not Available

* See revisions on page 7.

API WEEKLY STATISTICAL BULLETIN
Week Ended December 30, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline			Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,777	2,859	2,918	--	99	598	11,255	2,026	--
Central Atlantic	31,894	12,867	14,937	4,086	448	5,036	35,749*	21,192*	12,789
Lower Atlantic	28,631	14,665	13,732	234	141	3,905	16,377	3,095	529
DISTRICT 1 TOTAL	66,302	30,393	31,589	4,320	688	9,539	63,381*	26,313*	13,318
DISTRICT 2 TOTAL	66,655*	30,473*	28,347*	7,835	1,652	7,701	41,295*	3,621*	16,898
DISTRICT 3 TOTAL	65,391*	23,726	23,956*	17,709	2,696	11,238	30,227*	12,138*	45,391
DISTRICT 4 TOTAL	7,318	3,326	1,920	2,072	391	419	2,824	426	2,513
DISTRICT 5 TOTAL	26,798	9,296	10,245	7,257	1,652	5,236	11,075	8,374*	26,259
TOTAL U.S.	232,464	97,214	96,057	39,193	7,079	34,133	148,802	50,872	104,379
TOTAL U.S.									
Weeks Ended:									
DEC. 23, 1983	238,150*	98,350*	100,255*	39,545	7,245	36,621	159,216*	52,555*	103,782
DEC. 31, 1982	240,564	N/A	96,861	N/A	5,954	32,230	179,869	67,187	102,773
DISTRICTS 1-4									
Weeks Ended:									
DEC. 30, 1983	205,666	87,918	85,812	31,936	5,427	28,897	137,727	42,498	78,120
DEC. 23, 1983	211,286*	88,812*	90,096*	32,378	5,610	30,986	147,846*	44,090*	78,283
DEC. 31, 1982	211,886	N/A	86,300	N/A	4,605	26,792	167,713	57,974	77,278

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

* See revisions on page 7.
NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended December 30, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy Aug. 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	Daily Average				
DISTRICTS 1-4 TOTAL					
DEC. 30, 1983	5,798.5	5,819.0	2,431	147	265,147
DEC. 23, 1983	5,798.5	--	3,222*	176	269,843*
DEC. 16, 1983	5,798.5	--	3,103	343	267,873
DEC. 9, 1983	5,798.5	--	2,947	261	267,827
DISTRICT 5 TOTAL					
DEC. 30, 1983	2,817.9	2,811.0	129	9	82,577 ‡
DEC. 23, 1983	2,817.9	--	359	7	79,571*
DEC. 16, 1983	2,817.9	--	10	7	83,419
DEC. 9, 1983	2,817.9	--	227	--	87,564
TOTAL U.S.					
DEC. 30, 1983	8,616.4	8,630.0	2,560	156	347,724 ‡
DEC. 23, 1983	8,616.4	--	3,581*	183	349,414*
DEC. 16, 1983	8,616.4	--	3,113	350	351,292
DEC. 9, 1983	8,616.4	--	3,174	261	355,391
DEC. 31, 1982	8,601.0 /A	--	3,127	162	348,484

‡INCLUDES 25,518 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER. *

/A - DOE actual for December 1982

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
DEC. 30, 1983	15,686	74,931	160,324	14,206	265,147	82,577 ‡	347,724 ‡
DEC. 23, 1983	17,912	76,422*	161,761*	13,748	269,843*	79,571*	349,414*
DEC. 31, 1982	18,068	76,214	159,945	13,141	267,368	81,116	348,484

[1]See definitional notes, Page 6.

* See revisions on page 7.

Week Ended December 30, 1983

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	131	33	98	--	--	--	94	4	--	--	229
Central Atlantic	160	94	66	--	32	196	334x	5	120	140	987x
Lower Atlantic	--	--	--	--	--	--	48	--	--	--	48
DISTRICT 1 TOTAL											
DEC. 30, 1983	291	127	164	--	32	196	476	9	120	140	1,264
DEC. 23, 1983	245	107	138	--	25	182	548x	11	4	83	1,098x
DEC. 16, 1983	196	113	83	--	24	199	485	8	31	13	956
DEC. 9, 1983	216	115	101	--	--	167	619	10	18	59	1,089
DISTRICTS 2-4 TOTAL											
DEC. 30, 1983	20	14	6	--	--	23	59	225	63	137	527
DEC. 23, 1983	8	6	2	--	--	23	49	209	84	--	373
DEC. 16, 1983	16	11	5	--	--	20	44	169	36	81	366
DEC. 9, 1983	--	--	--	--	--	24	60	177	33	10	304
DISTRICT 5 TOTAL											
DEC. 30, 1983	11	1	10	--	2	2	16	8	--	15	54
DEC. 23, 1983	17	7	10	--	3	3	13	16	--	14	66
DEC. 16, 1983	17	6	11	--	3	3	10	15	--	12	60
DEC. 9, 1983	10	2	8	--	--	2	12	15	--	21	60
TOTAL U.S.	322	142	180	--	34	221	551	242	183	292	1,845
TOTAL U.S. Weeks Ended:											
DEC. 23, 1983	270	120	150	--	28	208	610x	236	88	97	1,537x
DEC. 16, 1983	229	130	99	--	27	222	539	192	67	106	1,382
DEC. 9, 1983	226	117	109	--	--	193	691	202	51	90	1,453
DEC. 31, 1982	215	N/A	61	--	--	81	622	223	85	10	1,236

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

* See revisions on page 7.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

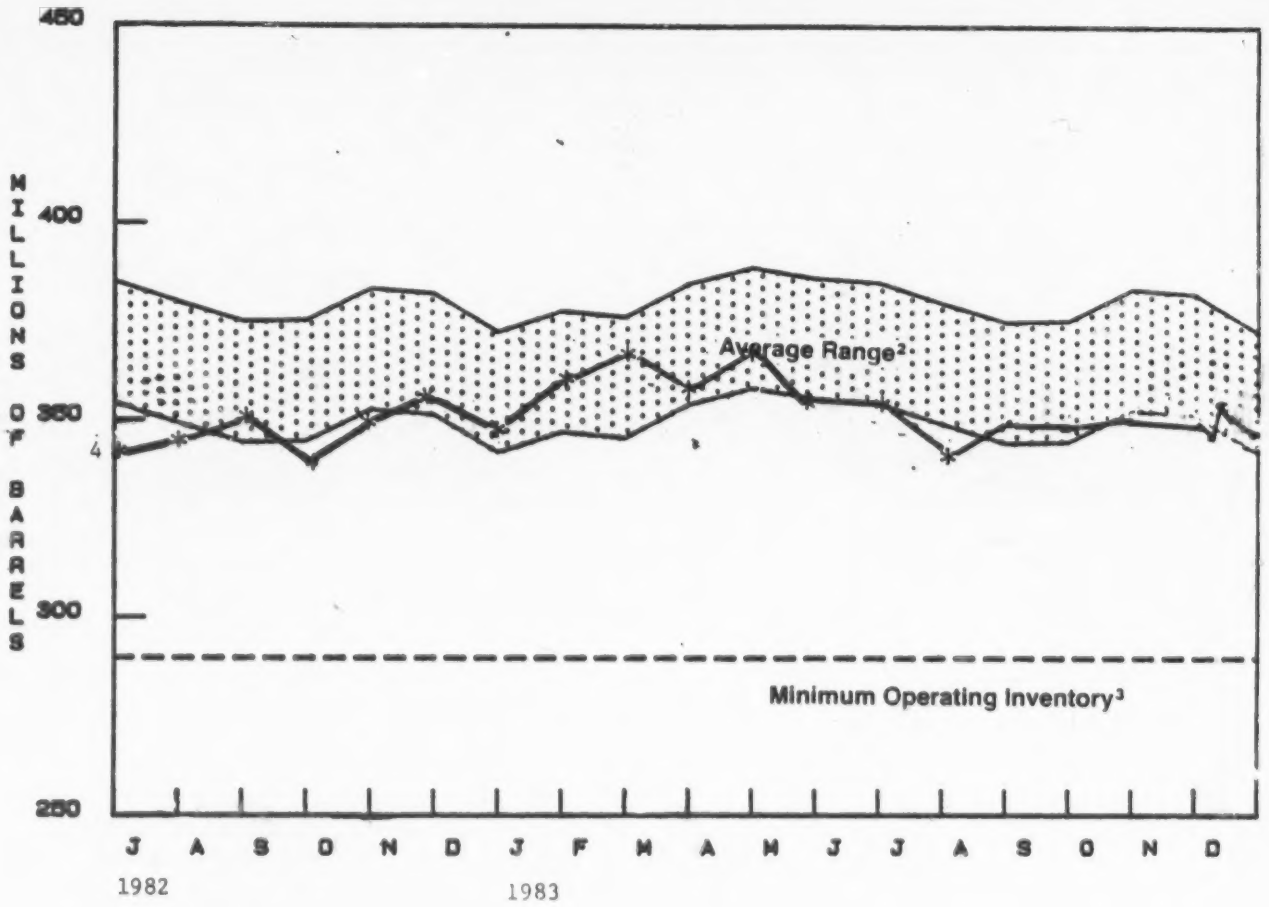
12/23/83	PAGE 1	TOTAL REFINERY INPUT	TEXAS GULF COAST	3,240
			DISTRICT 3 TOTAL	6,264
			TOTAL U.S.	12,784
			DISTRICTS 1-4	10,514
		CRUDE OIL RUNS	TEXAS GULF COAST	2,856
			DISTRICT 3 TOTAL	5,480
			TOTAL U.S.	11,591
			DISTRICTS 1-4	9,426
		INPUT TO CRUDE OIL	TEXAS GULF COAST	2,961
			DISTRICT 3 TOTAL	5,617
			TOTAL U.S.	11,833
			DISTRICTS 1-4	9,670
		% OPERABLE	TEXAS GULF COAST	75.8
			DISTRICT 3 TOTAL	72.3
			TOTAL U.S.	72.6
			DISTRICTS 1-4	73.0
	PAGE 2	TOTAL MGAS	TEXAS GULF COAST	1,413
			DISTRICT 3 TOTAL	2,889
			DISTRICT 5 TOTAL	1,000
			TOTAL U.S.	6,450
			DISTRICTS 1-4	5,450
		LEADED MGAS	DISTRICT 5 TOTAL	426
			TOTAL U.S.	2,817
		UNLEADED MGAS	TEXAS GULF COAST	882
			DISTRICT 3 TOTAL	1,701
			TOTAL U.S.	3,633
			DISTRICTS 1-4	3,059
		NAPHTHA JET	DISTRICT 5 TOTAL	53
			TOTAL U.S.	242
		RESIDUAL FUEL	MINN., WIS., DAKS.	59
			DISTRICT 2 TOTAL	115
			TOTAL U.S.	787
			DISTRICTS 1-4	465
	PAGE 3	TOTAL MGAS	DISTRICT 2 TOTAL	68,562
			DISTRICT 3 TOTAL	69,802
			TOTAL U.S.	238,150
			DISTRICTS 1-4	211,286
		LEADED MGAS	DISTRICT 2 TOTAL	31,429
			TOTAL U.S.	98,350
			DISTRICTS 1-4	88,812
		UNLEADED MGAS	DISTRICT 2 TOTAL	29,572
			DISTRICT 3 TOTAL	26,518
			TOTAL U.S.	100,255
			DISTRICTS 1-4	90,096
		DISTILLATE FUEL	CENTRAL ATLANTIC	40,838
			DISTRICT 1 TOTAL	68,901
			DISTRICT 2 TOTAL	43,046
			DISTRICT 3 TOTAL	33,024
			TOTAL U.S.	159,216

REVISIONS

	RESIDUAL FUEL	DISTRICTS 1-4	147,846
		CENTRAL ATLANTIC	21,558
		DISTRICT 1 TOTAL	26,976
		DISTRICT 2 TOTAL	3,716
		DISTRICT 3 TOTAL	13,033
		DISTRICT 5 TOTAL	8,465
		TOTAL U.S.	52,555
		DISTRICTS 1-4	44,090
PAGE 4 T	TOTAL CRUDE OIL IMPORTS	DISTRICTS 1-4 TOTAL	3,222
		TOTAL U.S.	3,581
	CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	269,843
		DISTRICT 5 TOTAL	79,571
		TOTAL U.S.	349,414
	ALASKAN CRUDE OIL	DISTRICT 5 TOTAL	23,358
PAGE 4 B	TOTAL	PAD DISTRICT 2	76,422
		PAD DISTRICT 3	161,761
		TOTAL PAD DISTRICTS 1-4	269,843
		PAD DISTRICT 5	79,571
		TOTAL U.S.	349,414
PAGE 5	RESIDUAL FUEL	CENTRAL ATLANTIC	368
		DISTRICT 1 TOTAL	548
		TOTAL U.S.	610
	TOTAL	CENTRAL ATLANTIC	794
		DISTRICT 1 TOTAL	1,098
		TOTAL U.S.	1,537

Week ended December 23, 1983

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

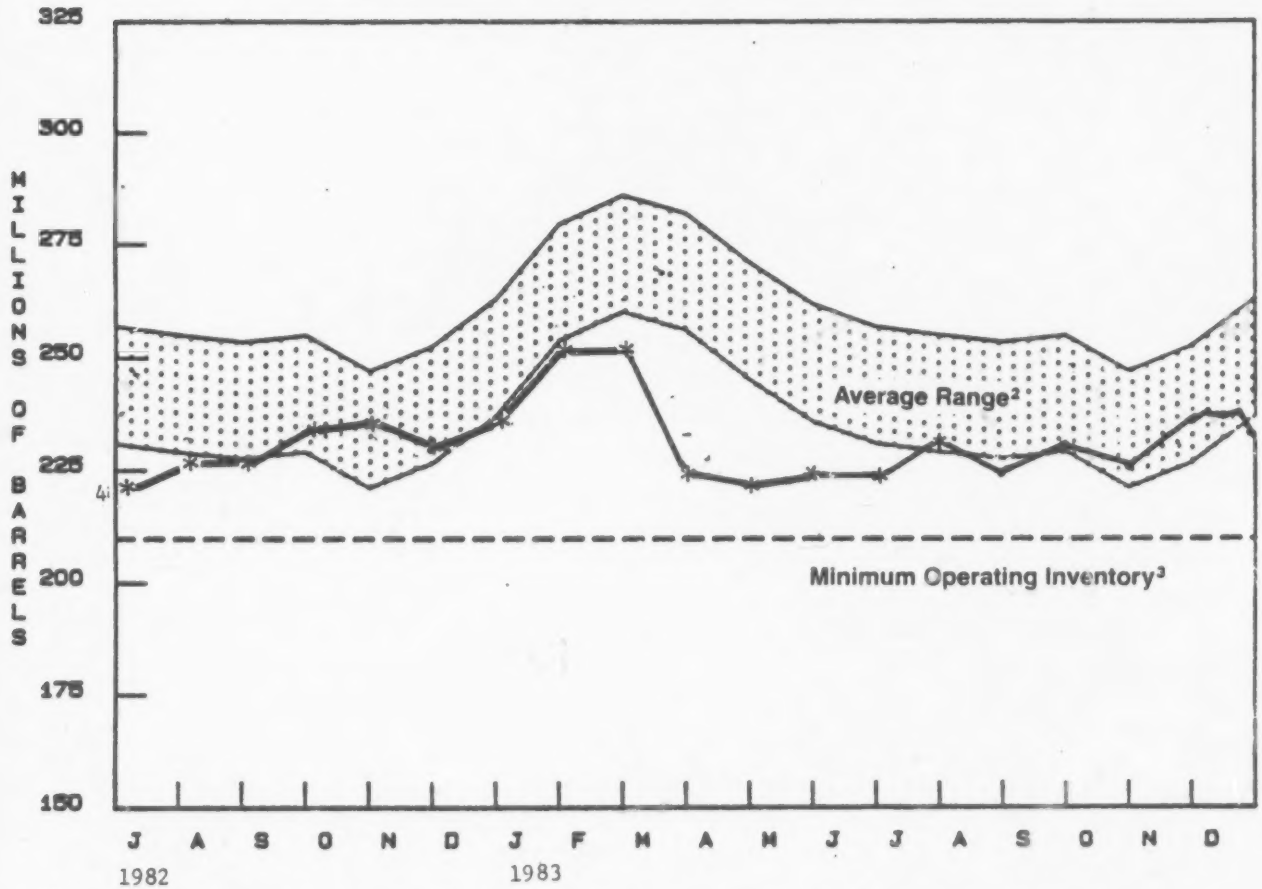
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week ended December 23, 1983

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

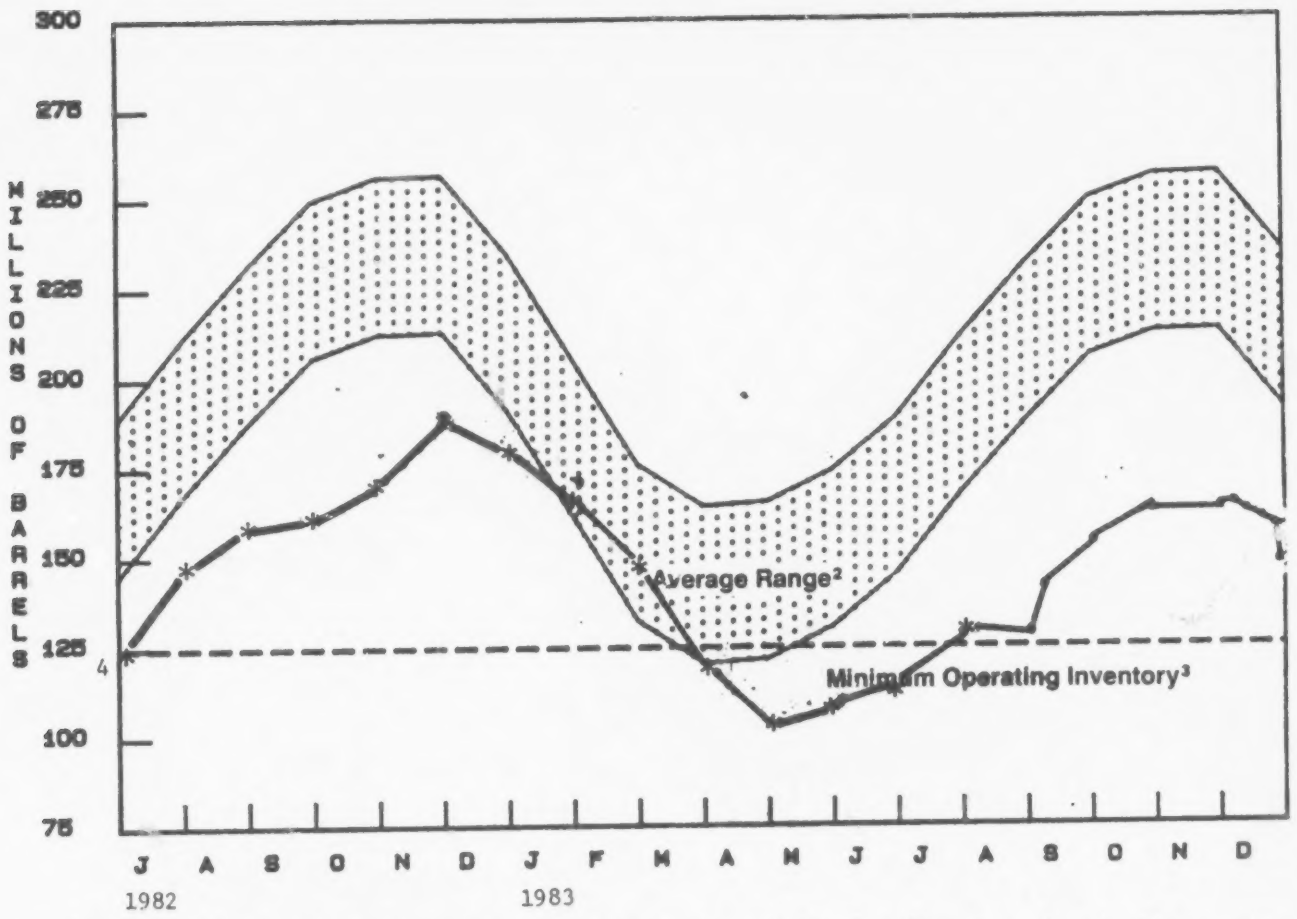
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

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[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.